

0390  
2323

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OPIE

RAW SEQUENCE LISTING  
PATENT APPLICATION US/10/068,426

DATE: 05/31/2002  
TIME: 08:31:48

Input Set : A:\Wyeth-gi.app  
Output Set: N:\CRF3\05312002\J068426.raw

3 <110> APPLICANT: Shaw, Gray D.  
4 Sako, Dianne S.  
5 Kumar, Ravindra  
6 Sullivan, Francis  
7 McDonagh, Tom  
9 <120> TITLE OF INVENTION: Platlet Glycoprotein IB Alpha Fusion Polypeptides and  
10 Methods of Use Thereof  
12 <130> FILE REFERENCE: 22058-503  
14 <140> CURRENT APPLICATION NUMBER: 10/068,426  
15 <141> CURRENT FILING DATE: 2002-02-06  
17 <150> PRIOR APPLICATION NUMBER: 60/266,838  
18 <151> PRIOR FILING DATE: 2001-02-06  
20 <160> NUMBER OF SEQ ID NOS: 20  
22 <170> SOFTWARE: PatentIn Ver. 2.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 544  
26 <212> TYPE: PRT  
27 <213> ORGANISM: Homo sapiens  
29 <220> FEATURE:  
30 <221> NAME/KEY: DOMAIN  
31 <222> LOCATION: (1)..(544)  
32 <223> OTHER INFORMATION: GP1b302-Ig  
34 <400> SEQUENCE: 1  
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39 20 25 30  
41 Cys Asp Lys Arg Asn Leu Thr Ala Leu Pro Pro Asp Leu Pro Lys Asp  
42 35 40 45  
44 Thr Thr Ile Leu His Leu Ser Glu Asn Leu Leu Tyr Thr Phe Ser Leu  
45 50 55 60  
47 Ala Thr Leu Met Pro Tyr Thr Arg Leu Thr Gln Leu Asn Leu Asp Arg  
48 65 70 75 80  
50 Cys Glu Leu Thr Lys Leu Gln Val Asp Gly Thr Leu Pro Val Leu Gly  
51 85 90 95  
53 Thr Leu Asp Leu Ser His Asn Gln Leu Gln Ser Leu Pro Leu Leu Gly  
54 100 105 110  
56 Gln Thr Leu Pro Ala Leu Thr Val Leu Asp Val Ser Phe Asn Arg Leu  
57 115 120 125  
59 Thr Ser Leu Pro Leu Gly Ala Leu Arg Gly Leu Gly Glu Leu Gln Glu  
60 130 135 140  
62 Leu Tyr Leu Lys Gly Asn Glu Leu Lys Thr Leu Pro Pro Gly Leu Leu  
63 145 150 155 160

ENTERED

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65 Thr Pro Thr Pro Lys Leu Glu Lys Leu Ser Leu Ala Asn Asn Asn Leu  
 66 165 170 175  
 68 Thr Glu Leu Pro Ala Gly Leu Leu Asn Gly Leu Glu Asn Leu Asp Thr  
 69 180 185 190  
 71 Leu Leu Leu Gln Glu Asn Ser Leu Tyr Thr Ile Pro Lys Gly Phe Phe  
 72 195 200 205  
 74 Gly Ser His Leu Leu Pro Phe Ala Phe Leu His Gly Asn Pro Trp Leu  
 75 210 215 220  
 77 Cys Asn Cys Glu Ile Leu Tyr Phe Arg Arg Trp Leu Gln Asp Asn Ala  
 78 225 230 235 240  
 80 Glu Asn Val Tyr Val Trp Lys Gln Gly Val Asp Val Lys Ala Met Thr  
 81 245 250 255  
 83 Ser Asn Val Ala Ser Val Gln Cys Asp Asn Ser Asp Lys Phe Pro Val  
 84 260 265 270  
 86 Tyr Lys Tyr Pro Gly Lys Gly Cys Pro Thr Leu Gly Asp Glu Gly Asp  
 87 275 280 285  
 89 Thr Asp Leu Tyr Asp Tyr Tyr Pro Glu Glu Asp Thr Glu Gly Asp Lys  
 90 290 295 300  
 92 Val Arg Ala Thr Arg Thr Val Val Lys Phe Pro Thr Lys Ala Arg Pro  
 93 305 310 315 320  
 95 His Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Leu Gly Ala Pro Ser  
 96 325 330 335  
 98 Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg  
 99 340 345 350  
 101 Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro  
 102 355 360 365  
 104 Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala  
 105 370 375 380  
 107 Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val  
 108 385 390 395 400  
 110 Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr  
 111 405 410 415  
 113 Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Val Pro Ile Glu Lys Thr  
 114 420 425 430  
 116 Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu  
 117 435 440 445  
 119 Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys  
 120 450 455 460  
 122 Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser  
 123 465 470 475 480  
 125 Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp  
 126 485 490 495  
 128 Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser  
 129 500 505 510  
 131 Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala  
 132 515 520 525  
 134 Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys  
 135 530 535 540  
 141 <210> SEQ ID NO: 2

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142 <211> LENGTH: 544  
 143 <212> TYPE: PRT  
 144 <213> ORGANISM: Homo sapiens  
 145 <220> FEATURE:  
 146 <221> NAME/KEY: DOMAIN  
 147 <222> LOCATION: (1)..(544)  
 148 <223> OTHER INFORMATION: GP1b302/2A-Ig  
 151 <400> SEQUENCE: 2

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 152 | Met | Pro | Leu | Pro | Ser | Pro | Leu | His | Pro |     |
| 153 | 1   |     |     |     | 5   |     |     |     | 10  |     |     |     | 15  |     |     |     |
| 155 | His | Pro | Ile | Cys | Glu | Val | Ser | Lys | Val | Ala | Ser | His | Leu | Glu | Val | Asn |
| 156 |     |     |     |     | 20  |     |     |     | 25  |     |     |     | 30  |     |     |     |
| 158 | Cys | Asp | Lys | Arg | Asn | Leu | Ihr | Ala | Leu | Pro | Pro | Asp | Leu | Pro | Lys | Asp |
| 159 |     |     |     |     | 35  |     |     |     | 40  |     |     |     | 45  |     |     |     |
| 161 | Ihr | Thr | Ile | Leu | His | Leu | Ser | Glu | Asn | Leu | Tyr | Thr | Phe | Ser | Leu |     |
| 162 |     |     |     |     | 50  |     |     | 55  |     |     | 60  |     |     |     |     |     |
| 164 | Ala | Thr | Leu | Met | Pro | Tyr | Ihr | Arg | Leu | Thr | Gln | Leu | Asn | Leu | Asp | Arg |
| 165 |     |     |     |     | 65  |     |     | 70  |     |     | 75  |     |     |     | 80  |     |
| 167 | Cys | Glu | Leu | Thr | Lys | Leu | Gln | Val | Asp | Gly | Thr | Leu | Pro | Val | Leu | Gly |
| 168 |     |     |     |     |     | 85  |     |     | 90  |     |     |     |     | 95  |     |     |
| 170 | Ihr | Leu | Asp | Leu | Ser | His | Asn | Gln | Leu | Gln | Ser | Leu | Pro | Leu | Leu | Gly |
| 171 |     |     |     |     |     | 100 |     |     | 105 |     |     |     |     | 110 |     |     |
| 173 | Gln | Thr | Leu | Pro | Ala | Leu | Ihr | Val | Leu | Asp | Val | Ser | Phe | Asn | Arg | Leu |
| 174 |     |     |     |     |     | 115 |     |     | 120 |     |     |     | 125 |     |     |     |
| 176 | Thr | Ser | Leu | Pro | Leu | Gly | Ala | Leu | Arg | Gly | Leu | Gly | Glu | Leu | Gln | Glu |
| 177 |     |     |     |     |     | 130 |     |     | 135 |     |     |     | 140 |     |     |     |
| 179 | Leu | Tyr | Leu | Lys | Gly | Asn | Glu | Leu | Lys | Thr | Leu | Pro | Pro | Gly | Leu | Leu |
| 180 |     |     |     |     |     | 145 |     |     | 150 |     |     |     | 155 |     |     | 160 |
| 182 | Thr | Pro | Thr | Pro | Lys | Leu | Glu | Lys | Leu | Ser | Leu | Ala | Asn | Asn | Leu |     |
| 183 |     |     |     |     |     | 165 |     |     | 170 |     |     |     | 175 |     |     |     |
| 185 | Thr | Glu | Leu | Pro | Ala | Gly | Leu | Leu | Asn | Gly | Leu | Glu | Asn | Leu | Asp | Thr |
| 186 |     |     |     |     |     | 180 |     |     | 185 |     |     |     | 190 |     |     |     |
| 188 | Leu | Leu | Leu | Gln | Glu | Asn | Ser | Leu | Tyr | Thr | Ile | Pro | Lys | Gly | Phe | Phe |
| 189 |     |     |     |     |     | 195 |     |     | 200 |     |     |     | 205 |     |     |     |
| 191 | Gly | Ser | His | Leu | Leu | Pro | Phe | Ala | Phe | Leu | His | Gly | Asn | Pro | Trp | Leu |
| 192 |     |     |     |     |     | 210 |     |     | 215 |     |     |     | 220 |     |     |     |
| 194 | Cys | Asn | Cys | Glu | Ile | Leu | Tyr | Phe | Arg | Arg | Trp | Leu | Gln | Asp | Asn | Ala |
| 195 |     |     |     |     |     | 225 |     |     | 230 |     |     |     | 235 |     |     | 240 |
| 197 | Glu | Asn | Val | Tyr | Val | Trp | Lys | Gln | Gly | Val | Asp | Val | Lys | Ala | Met | Thr |
| 198 |     |     |     |     |     | 245 |     |     | 250 |     |     |     | 255 |     |     |     |
| 200 | Ser | Asn | Val | Ala | Ser | Val | Gln | Cys | Asp | Asn | Ser | Asp | Lys | Phe | Pro | Val |
| 201 |     |     |     |     |     | 260 |     |     | 265 |     |     |     | 270 |     |     |     |
| 203 | Tyr | Lys | Tyr | Pro | Gly | Lys | Gly | Cys | Pro | Thr | Leu | Gly | Asp | Glu | Gly | Asp |
| 204 |     |     |     |     |     | 275 |     |     | 280 |     |     |     | 285 |     |     |     |
| 206 | Thr | Asp | Leu | Tyr | Asp | Tyr | Tyr | Pro | Glu | Glu | Asp | Thr | Glu | Gly | Asp | Lys |
| 207 |     |     |     |     |     | 290 |     |     | 295 |     |     |     | 300 |     |     |     |
| 209 | Val | Ala | Ala | Thr | Ala | Thr | Val | Val | Lys | Phe | Pro | Thr | Lys | Ala | Arg | Pro |
| 210 |     |     |     |     |     | 305 |     |     | 310 |     |     |     | 315 |     |     | 320 |
| 212 | His | Thr | Cys | Pro | Pro | Cys | Pro | Ala | Pro | Glu | Ala | Leu | Gly | Ala | Pro | Ser |

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| 213 | 325   | 330 | 335 |
| 215 | Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg |     |     |
| 216 | 340   | 345 | 350 |
| 218 | Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro |     |     |
| 219 | 355   | 360 | 365 |
| 221 | Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala |     |     |
| 222 | 370   | 375 | 380 |
| 224 | Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val |     |     |
| 225 | 385   | 390 | 395 |
| 227 | Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr |     |     |
| 228 | 405   | 410 | 415 |
| 230 | Lys Lys Lys Val Ser Asn Lys Ala Leu Pro Val Pro Ile Glu Lys Thr |     |     |
| 231 | 420   | 425 | 430 |
| 233 | Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu |     |     |
| 234 | 435   | 440 | 445 |
| 236 | Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys |     |     |
| 237 | 450   | 455 | 460 |
| 239 | Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser |     |     |
| 240 | 465   | 470 | 475 |
| 242 | Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp |     |     |
| 243 | 485   | 490 | 495 |
| 245 | Ser Asp Gly Ser Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser     |     |     |
| 246 | 500   | 505 | 510 |
| 248 | Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala |     |     |
| 249 | 515   | 520 | 525 |
| 251 | Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys |     |     |
| 252 | 530   | 535 | 540 |
| 258 | -210- SEQ ID NO: 3  |     |     |
| 259 | -211- LENGTH: 544   |     |     |
| 260 | -212- TYPE: PRT   |     |     |
| 261 | -213- ORGANISM: Homo sapiens                                    |     |     |
| 263 | -220- FEATURE:  |     |     |
| 264 | -221- NAME/KEY: DOMAIN  |     |     |
| 265 | -222- LOCATION: (1)..(544)                                      |     |     |
| 266 | -223- OTHER INFORMATION: GP1b302/4X-Ig                          |     |     |
| 268 | -400- SEQUENCE: 3   |     |     |
| 269 | Met Pro Leu Leu Leu Leu Leu Leu Pro Ser Pro Leu His Pro         |     |     |
| 270 | 1   | 5   | 10  |
|     |   |     | 15  |
| 272 | His Pro Ile Cys Glu Val Ser Lys Val Ala Ser His Leu Glu Val Asn |     |     |
| 273 | 20  | 25  | 30  |
| 275 | Cys Asp Lys Arg Asn Leu Thr Ala Leu Pro Pro Asp Leu Pro Lys Asp |     |     |
| 276 | 35  | 40  | 45  |
| 278 | Thr Thr Ile Leu His Leu Ser Glu Asn Leu Leu Tyr Thr Phe Ser Leu |     |     |
| 279 | 50  | 55  | 60  |
| 281 | Ala Thr Leu Met Pro Tyr Thr Arg Leu Thr Gln Leu Asn Leu Asp Arg |     |     |
| 282 | 65  | 70  | 75  |
|     |   |     | 80  |
| 284 | Cys Glu Leu Thr Lys Leu Gln Val Asp Gly Thr Leu Pro Val Leu Gly |     |     |
| 285 | 85  | 90  | 95  |
| 287 | Thr Leu Asp Leu Ser His Asn Gln Leu Gln Ser Leu Pro Leu Leu Gly |     |     |

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|     |   |     |     |
|-----|---|-----|-----|
| 288 | 100   | 105 | 110 |
| 290 | Gln Thr Leu Pro Ala Leu Thr Val Leu Asp Val Ser Phe Asn Arg Leu |     |     |
| 291 | 115   | 120 | 125 |
| 293 | Ihr Ser Leu Pro Leu Gly Ala Leu Arg Gly Leu Gly Glu Leu Gln Glu |     |     |
| 294 | 130   | 135 | 140 |
| 296 | Leu Tyr Leu Lys Gly Asn Glu Leu Lys Ihr Leu Pro Pro Gly Leu Leu |     |     |
| 297 | 145   | 150 | 155 |
| 299 | Ihr Pro Thr Pro Lys Leu Glu Lys Leu Ser Leu Ala Asn Asn Asn Leu |     |     |
| 300 | 165   | 170 | 175 |
| 302 | Ihr Glu Leu Pro Ala Gly Leu Leu Asn Gly Leu Glu Asn Leu Asp Thr |     |     |
| 303 | 180   | 185 | 190 |
| 305 | Leu Leu Gln Glu Asn Ser Leu Tyr Thr Ile Pro Lys Gly Phe Phe     |     |     |
| 306 | 195   | 200 | 205 |
| 308 | Gly Ser His Leu Leu Pro Phe Ala Phe Leu His Gly Asn Pro Trp Leu |     |     |
| 309 | 210   | 215 | 220 |
| 311 | Cys Asn Cys Glu Ile Leu Tyr Phe Arg Arg Trp Leu Gln Asp Asn Ala |     |     |
| 312 | 225   | 230 | 235 |
| 314 | Glu Asn Val Tyr Val Itp Lys Gln Val Val Asp Val Lys Ala Val Thr |     |     |
| 315 | 245   | 250 | 255 |
| 317 | Ser Asn Val Ala Ser Val Gln Cys Asp Asn Ser Asp Lys Phe Pro Val |     |     |
| 318 | 260   | 265 | 270 |
| 320 | Tyr Lys Tyr Pro Gly Lys Gly Cys Pro Thr Leu Gly Asp Glu Gly Asp |     |     |
| 321 | 275   | 280 | 285 |
| 323 | Thr Asp Leu Tyr Asp Tyr Pro Glu Glu Asp Thr Glu Gly Asp Lys     |     |     |
| 324 | 290   | 295 | 300 |
| 326 | Val Ala Ala Thr Ala Thr Val Val Lys Phe Pro Thr Lys Ala Arg Pro |     |     |
| 327 | 305   | 310 | 315 |
| 329 | 310   | 315 | 320 |
| 330 | His Thr Cys Pro Pro Cys Pro Ala Pro Glu Ala Leu Gly Ala Pro Ser |     |     |
| 332 | 325   | 330 | 335 |
| 333 | Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg |     |     |
| 334 | 340   | 345 | 350 |
| 335 | Thr Pro Glu Val Thr Cys Val Val Asp Val Ser His Glu Asp Pro     |     |     |
| 336 | 355   | 360 | 365 |
| 338 | Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala |     |     |
| 339 | 370   | 375 | 380 |
| 341 | Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val |     |     |
| 342 | 385   | 390 | 395 |
| 344 | 400   | 405 | 410 |
| 345 | Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr |     |     |
| 347 | 420   | 425 | 430 |
| 348 | Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Val Pro Ile Glu Lys Thr |     |     |
| 350 | 435   | 440 | 445 |
| 353 | Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu |     |     |
| 354 | 450   | 455 | 460 |
| 356 | Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser |     |     |
| 357 | 465   | 470 | 475 |
| 359 | Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp |     |     |
| 360 | 485   | 490 | 495 |

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